

Claims

1. An ionizing wiper for removing static charge from an surface, said wiper comprising,
 a cloth having at least one surface; and
 an ionizing point network, said ionizing point network including a plurality of electrically interconnected ionizing strands having a plurality of ionizing points, said plurality of electrically interconnected ionizing strands being connected to said at least one surface, whereby air between said ionizing points adjacent to the insulative surface is sufficiently ionized to remove static charge from the insulative surface.

2. The ionizing wiper as recited in claim 1, wherein said ionizing point network is interwoven into said at least one surface.

3. The ionizing wiper as recited in claim 1, wherein said ionizing point network is glued to said at least one surface.

4. The ionizing wiper as recited in claim 1, wherein said ionizing point network is an ionizing cord, said ionizing cord being stitched into said at least one surface.

5. The ionizing wiper as recited in claim 1, wherein said wiper is made from material selected from a group consisting of cotton, nylon, other conventional wiping material, and combinations thereof.

6. An ionizing wiper comprising,
 a plurality of soft fibers; and
 a plurality of electrically conductive microfibers having a plurality of ionizing points, said plurality of electrically conductive microfibers and said plurality of soft fibers being joined together to form a fabric, whereby air between said

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ionizing points adjacent to an surface is sufficiently ionized to remove static charge from the surface.

7. The ionizing wiper as recited in claim 6, wherein said non-ionizing points being exposed on at least one side of said fabric.

8. The ionizing wiper as recited in claim 6 further comprising a connector, said connector being electrically connected to said plurality of electrically conductive microfibers, whereby static charge is transferred from said electrically conductive microfibers to ground.

9. The ionizing wiper as recited in claim 6, wherein said fabric is woven.

10. The ionizing wiper as recited in claim 6, wherein said fabric is non-woven.

11. An ionizing wiper for removing static charge from an surface, said wiper comprising,

a cloth being made of ordinary wiping material, said cloth including at least one outer surface, at least one wiper surface, and at least one edge; and

a plurality of ionizing points, said plurality of ionizing points being disposed on said cloth, said plurality of ionizing points being of sufficient density such that air between said plurality of ionizing points and the insulative surface is sufficiently ionized to remove static charge from the insulative surface.

12. The ionizing wiper as recited in claim 11, wherein said plurality of ionizing points are disposed on said at least one outer surface.

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13. The ionizing wiper as recited in claim 11, wherein said plurality of ionizing points are disposed on said at least one wiping surface.

14. The ionizing wiper as recited in claim 11, wherein said plurality of ionizing points are interwoven into said at least one wiping surface.

15. The ionizing wiper as recited in claim 11, wherein said plurality of ionizing points are adhered to said at least one wiping surface.

16. The ionizing wiper as recited in claim 11, further comprising at least one ionizing cord, wherein said plurality of ionizing points are disposed on said at least one ionizing cord, said at least one ionizing cord being fabricated with a plurality of microfibers including said plurality of ionizing points, said at least one ionizing cord being stitched into said at least one outer surface.

17. The ionizing wiper as recited in claim 16, wherein said ionizing cord is stitched into said at least one edge.

18. The ionizing wiper as recited in claim 16, wherein said ionizing cord is stitched into said at least one wiping surface.

19. The ionizing wiper as recited in claim 11, wherein said wiper further comprises grounding means for transferring ionized particles to ground.

20. The ionizing wiper as recited in claim 19, wherein said grounding means includes a grounding connector fixedly attached to said wiper.

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21. The ionizing wiper as recited in claim 20, wherein said grounding means further includes a grounding coil wire removeably attached to said grounding connector.

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~~22. The ionizing wiper as recited in claim 20, wherein said wiper further comprises electrical charging means for neutralizing static charge at the surface, said electrical charging means is removeably attached to said grounding connector.~~

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